

FIG. 1

VARIOUS TYPES OF SIGNAL TRANSFER

- SDH, PDH
- ETHERNET
- ATM
- IP PACKET
- MPLS PACKET
- PPP PACKET

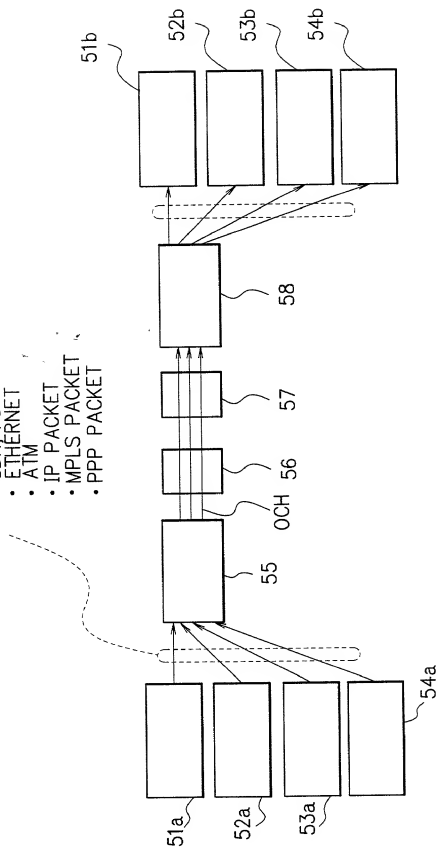
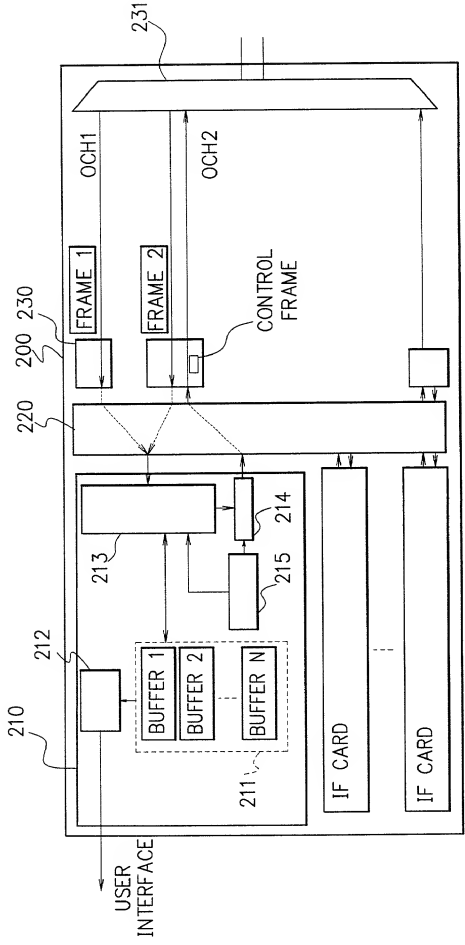


FIG. 3



F I G. 4

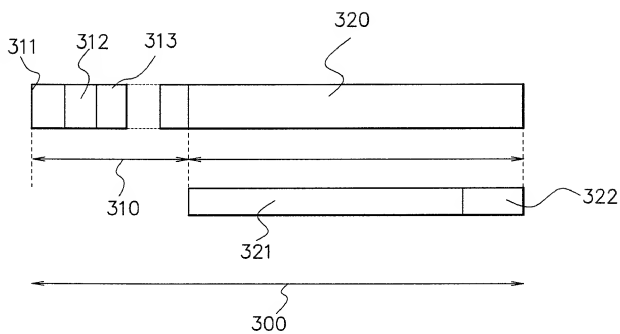
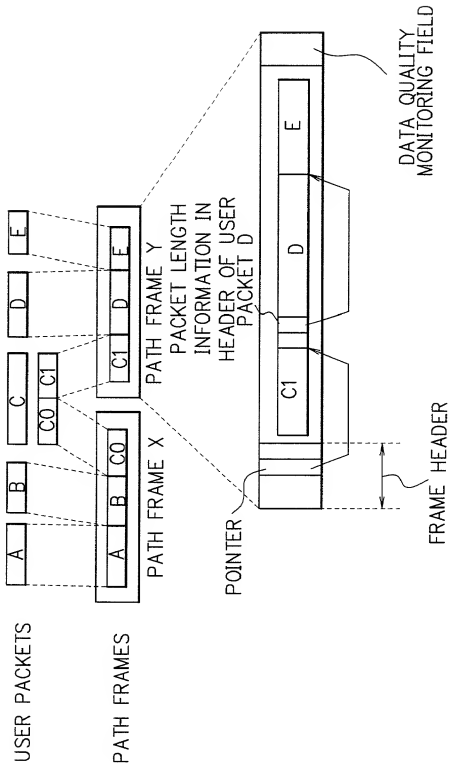
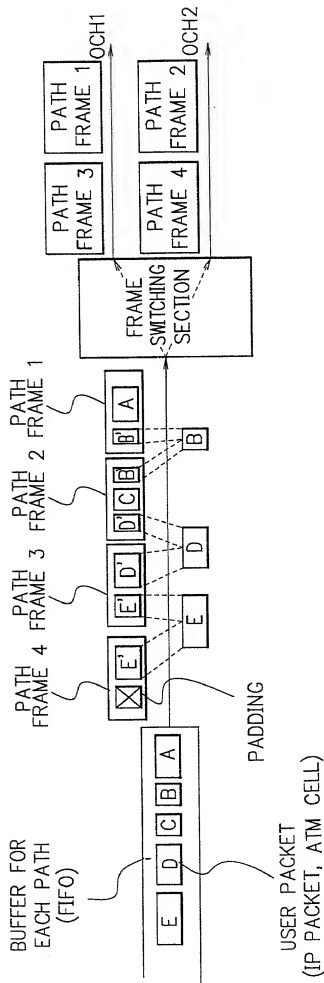


FIG. 5



F I G. 6



F I G. 7

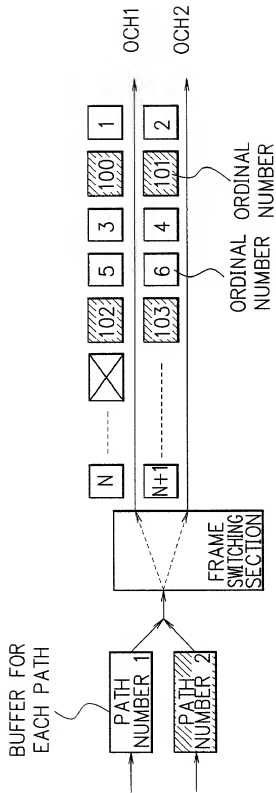


FIG. 8

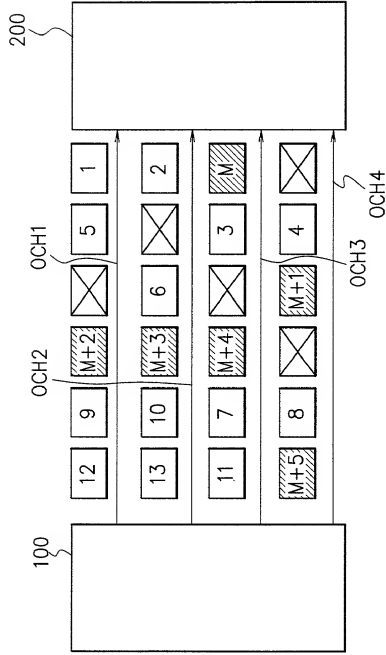
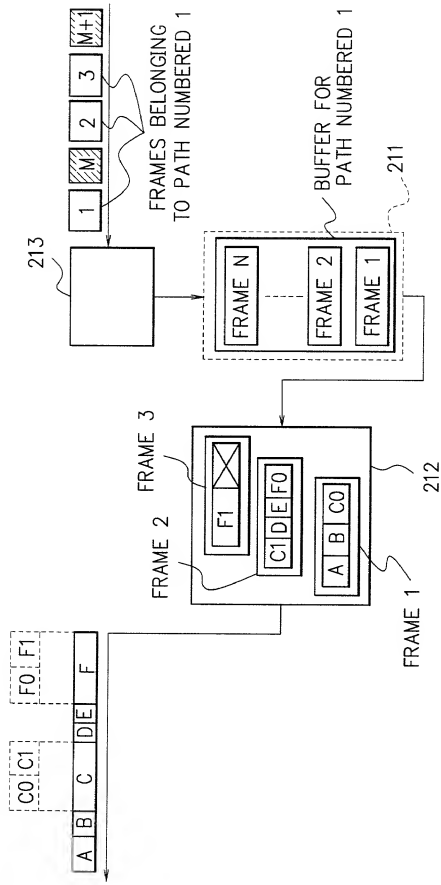


FIG. 9



F I G. 10

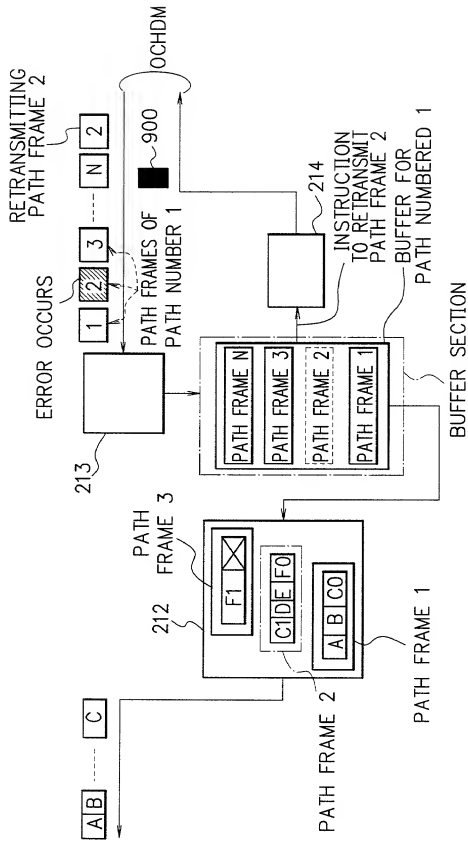


FIG. 12

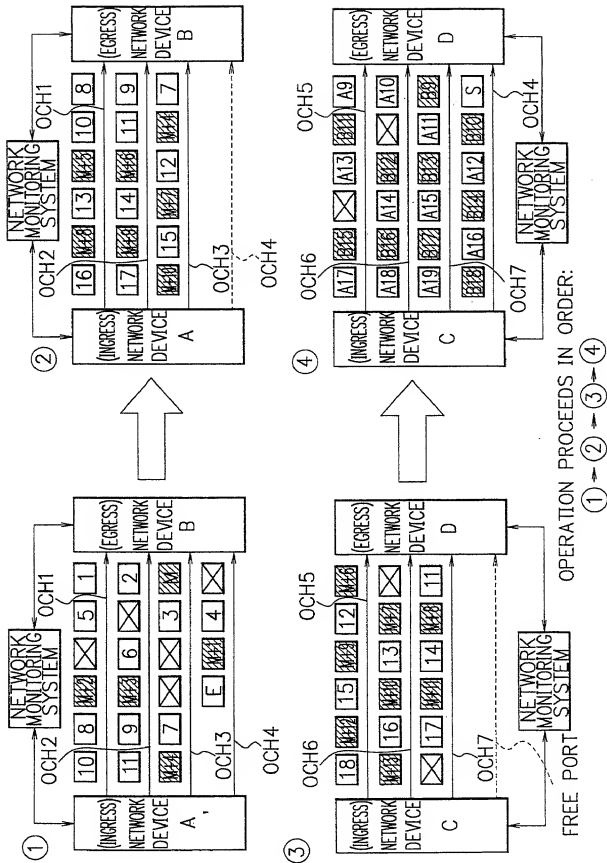
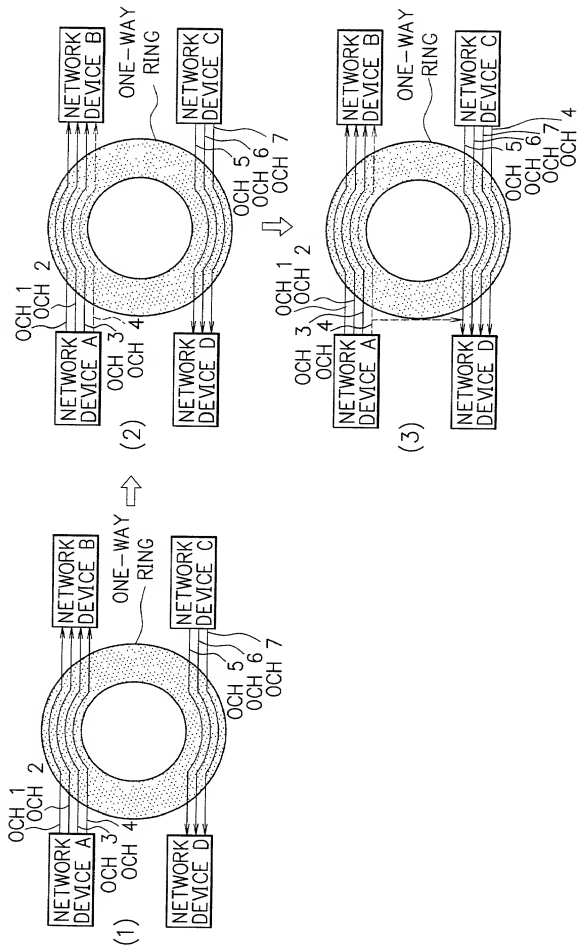
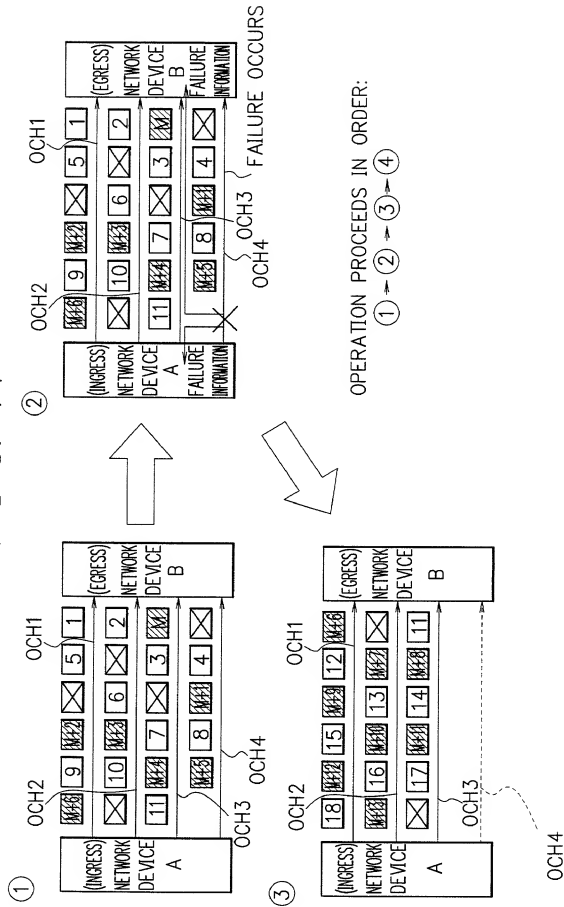


FIG. 13



F I G. 14



F I G. 15

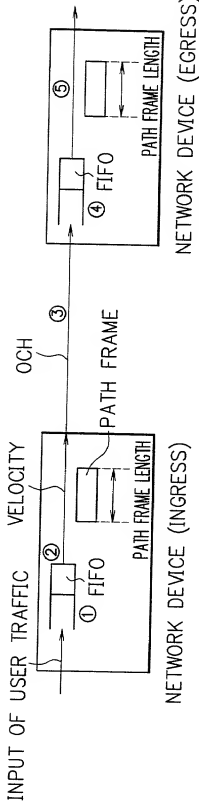
PARAMETER LIST

REQUIRED DELAY TIME = T REQUIRED BAND = V VELOCITY OF OCH = R TRANSFER TIME ON OCH = τ

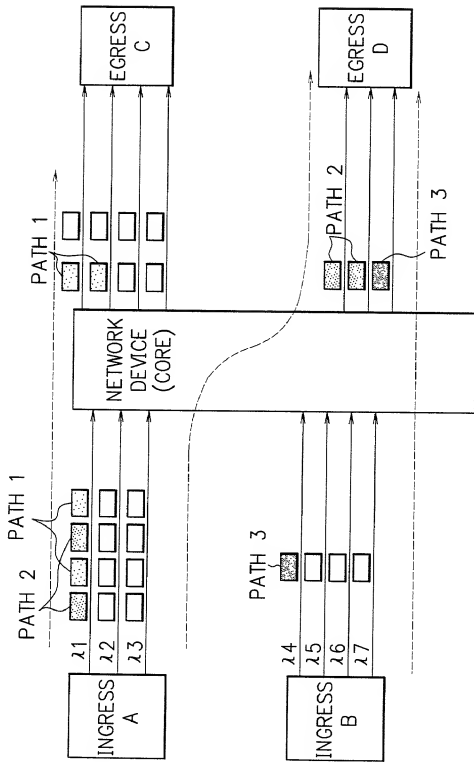
CONTENTS OF DELAY AT POINTS ①-⑤

① = PATH FRAME LENGTH $\div V$ ② = PATH FRAME LENGTH $\div R$ ③ = τ ④ = PATH FRAME LENGTH $\div R$ ⑤ = PATH FRAME LENGTH $\div V$

NECESSARY CONDITION

 $T > ① + ② + ③ + ④ + ⑤ :$ $T > \tau + 2 \times \text{PATH FRAME LENGTH} \times (1/V + 1/R)$ 

F I G. 16



F I G. 17

